



121503
U.S. PTO

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

ATTN: BOX PATENT APPLICATION

Sheet 1 of 2

**UTILITY
PATENT APPLICATION
TRANSMITTAL**
Docket No.: 02-537
Date: December 15, 2003

U.S. Express Mail Label No.: EV323569283US

22387 U.S. PTO
10/736396

Inventor Name(s):

CHAD T. BRICKNER; C. ERIK BRIGHT; CLAYTON L. PADGETT; AND W. CHRIS SWICK

Title:

A METHOD OF MODULATING A BOOM ASSEMBLY TO PERFORM IN A LINEAR MANNER

Fee Transmittal Form Attached in Duplicate

Specification and Claim(s) [Total Pages 11]

Drawing(s) [Total Sheets 2]
FORMAL

Declaration [Total Pages 1]

Newly Executed (Original or Copy)

Copy From Prior Application (37 CFR § 1.63(d))

Deletion of Inventor(s) (37 CFR § 1.63(d)(2))
(Signed Statement Attached)

Assignment Papers (Cover Sheet and Document(s))

37 CFR § 3.73(b) Statement (if applicable) Power of Attorney

English Translation Document (if applicable)

Information Disclosure Statement (IDS)/PTO-1449

Copies of IDS Citations

Preliminary Amendment

Return Receipt Postcard (Specifically Itemized)

Certified Copy of Priority Document(s)

Other

If a Continuing Application

Continuation Divisional Continuation-In-Part (CIP)

of prior Application No.: ;

Examiner: ; and

Group/Art Unit:

Cancel Claims:

For Continuations or Divisional Applications only: The entire disclosure of the prior application, from which an oath or declaration is supplied, as set forth above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

Correspondence Address:

Customer Number or Bar Code Label: 719

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Name:

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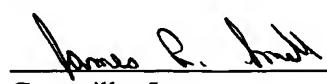
State:

Zip Code:

Country:

Attorney/Agent: James R. Smith

Registration No.: 41,318

Signature: 

Caterpillar Inc.

Date: 12/15/03

121503

16523 U.S.P.T.O.

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 770)

Complete if Known

Application Number	(Unassigned)
Filing Date	(Herewith)
First Named Inventor	Chad T. Brickner ET AL.
Examiner Name	(Unassigned)
Art Unit	(Unassigned)
Attorney Docket No.	02-537

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order Other None
 Deposit Account

Deposit

03-1129

Account Number

Deposit Account

Name

The Commissioner is authorized to: (check all that apply)

 Charge fee(s) indicated below Credit any overpayments

 Charge any additional fee(s) during the pendency of this application

 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	770
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)		(\$)		770	

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims	Fee from below	Fee Paid
Total Claims 10	-20** = 0	x 18 = 0
Independent Claims 2	-3** = 0	x 86 = 0
Multiple Dependent		

Large Entity	Small Entity	Fee Description
1202	18	2002 9 Claims in excess of 20
1201	84	2001 42 Independent claims in excess of 3
1203	280	2203 140 Multiple dependent claim, if not paid
1204	84	2204 42 **Reissue independent claims over original patent
1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$) 0

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051 65 Surcharge - late filing fee or oath	
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053 130 Non-English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	410	2252 205 Extension for reply within second month	
1253	930	2253 465 Extension for reply within third month	
1254	1,450	2254 725 Extension for reply within fourth month	
1255	1,970	2255 985 Extension for reply within fifth month	
1401	320	2401 160 Notice of Appeal	
1402	320	2402 160 Filing a brief in support of an appeal	
1403	280	2403 140 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1452	110	2452 55 Petition to revive - unavoidable	
1453	1,300	2453 650 Petition to revive - unintentional	
1501	1,300	2501 650 Utility issue fee (or reissue)	
1502	470	2502 235 Design issue fee	
1503	630	2503 315 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806	180	1806 180 Submission of Information Disclosure Stmt	
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
1809	750	2809 375 Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810 375 For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801 375 Request for Continued Examination (RCE)	
1802	900	1802 900 Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)**(\$)** 0

(Complete if applicable)

SUBMITTED BY

Name (Print/Type)	James R. Smith	Registration No. (Attorney/Agent)	41,318	Telephone	(309) 636-1569
Signature		Date	12/15/2003		

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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